## ]eeb Part of the part o iΞ an's 14 | sek ---

eg18 nucleotide sequence (coding and non-coding) Figure reesei

GGAAGAAACCGCCTCTCCCACTCCCAATGCTGTTACCAAGCCCTCGCCCGACGAGGGGCGACTCTTCCGACGACGACAAGGA CACCACAGACAACGTCGACGCCTTCAACGACTTCGCGGACTGGCTGAGGCAGAACAAGCGCCAGGCCATCATCTCCGAAAC TGGCTTTGTGGGGCTGGGGGGGCGCGCGCTTTGACACGTCGTACATCTTGACTCTGACTCCCCTCGGCAAGCCCGGCAACTA CACCGACAACAAGCTCATGAACGAGTGCATTCTGGACCAGTTTACCCTCGACGAAAAGTACCGTCCAACACCCCCCCACTCAAT TTCCACAGGGGGGAAGAGAGGGCCACGGCGACAGCAGCACCTCTGACGGCGACGCCCATCCACTACGAAGCCCATCTTAG CTCGGCAGCATCTATGAGTGCCCAGGGCTTGACAGGCACGGTGCTGTTTACTGTTGCTGCCCTTGGCTACATGCTGGTAGC GTTTTGATGTTTTTTTTAATGAGTTTGTATACCTAATGAGCATGATTGAGATGCTACGTAGTATATATGTCTTTACGG CCTCCTGCCCGGAACCAACTTTGCCAGCGTCGAGACGTATGTGTCCACTGGCAGCGCGGAAGCCCTCGGCAAGATTACGAA CCCGGATGGAAGCACCGATTTGCTGTACTTTGATGTCCACAAGTATCTCGACATCAACAACTCCGGGTCGCACGCCGAGTG GGGCGCGTCCATGGAACCTTCGTGCATGACTGCCTTCTGCGCCCAGAACAAGGCCATTAGCGAAAAAAACGACGTCTACAT GTTCGACTAGGTAGTGGTAATATACGGACAGCTTTTTTTCCCTCGCTCAACACGTCGACGTACAATTAATACACCTTCG TTAATCGGATATATCCCTCGGCCTCTTCCTGGTGCTTGTGCGACGCTCCTCGTTTCTCCCTCTCATTATGCGCGCAACCTC CCTTCTGGCCGCCGCCTTGGCCGTGGCTGGCGATGCCCTCGCCGGCAGATCAAATATCTGGGCGTCGCCATTCCCGGAAT CGACTTTGGCTGCGACATCGACGGCAGCTGTCCGACTGACACGTCGTCTGTGCCCCTGCTGAGCTACAAAGGAGGAGATGG CGCCGGCCAGATGAAGCATTTCGCCGAAGACGACGGCCTCAACGTCTTTCGCATATCCGCTACATGGCAGTTTGTCCTCAA TGTCGACCTCTGGGTCCAGATCGCAAAGTACTACGAGGACAACGACAAGATCATCTTTGGCCTGATGAACGAGCCGCACGA CCTCGACATTGAGATCTGGGCGCAGACGTGCCAAAAGGTCGTCACTGCGATCCGAAAGGCCGGCGCCACCTCGCAGATGAT GCTCGTTGGCATTCTGCTTAGCACTTTGTTTCGTTCTTCGTTCTTTTAATCCGTCATCTTCTGCAATCTGCTGCTGCCATTT CTACTGCATGATTGACATGCACAACTTTGCCCGCTACAACGGCGGCATCATCGGCCCAGGGAGGCGTGTCGGACGACATCTT 

EGVIII Endoglucanase and Nucleic Acids

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70 210 VDLWVQIAKY YEDNDKIIFG LMNEPHDLDI EIWAQTCQKV VTAIRKAGAT SQMILLPGTN FASVETYVST GLNVFRISAT WQFVLNNTVD GKLDELNWGS YNKVVNACLE TGAYCMIDMH NFARYNGGII GQGGVSDDIF MRATSLLAAA LAVAGDALAG KIKYLGVAIP GIDFGCDIDG SCPTDTSSVP LLSYKGGDGA GQMKHFAEDD 200 120 190 50 110 180 100 160 90 150

280 350 GSAEALGKIT NPDGSTDLLY FDVHKYLDIN NSGSHAECTT DNVDAFNDFA DWLRQNKRQA IISETGASME PSCMTAFCAQ NKAISENSDV YIGFVGWGAG SFDTSYILTL TPLGKPGNYT DNKLMNECIL DQFTLDEKYR PTPTSISTAA EETATATATS DGDAPSTTKP IFREETASPT PNAVTKPSPD TSDSSDDDKD SAASMSAQGL 260 250 240

GOVIII Endoglucanase and Nucleic Acids

ncoding the Same Dunn-Coleman et al. SN# Unassigned Docket No. GC700 Sheet 2 of 2

> TGTVLFTVAA LGYMLVAF 430 438

Figure 2 Predicted T. reesei EG VIII amino acid sequence